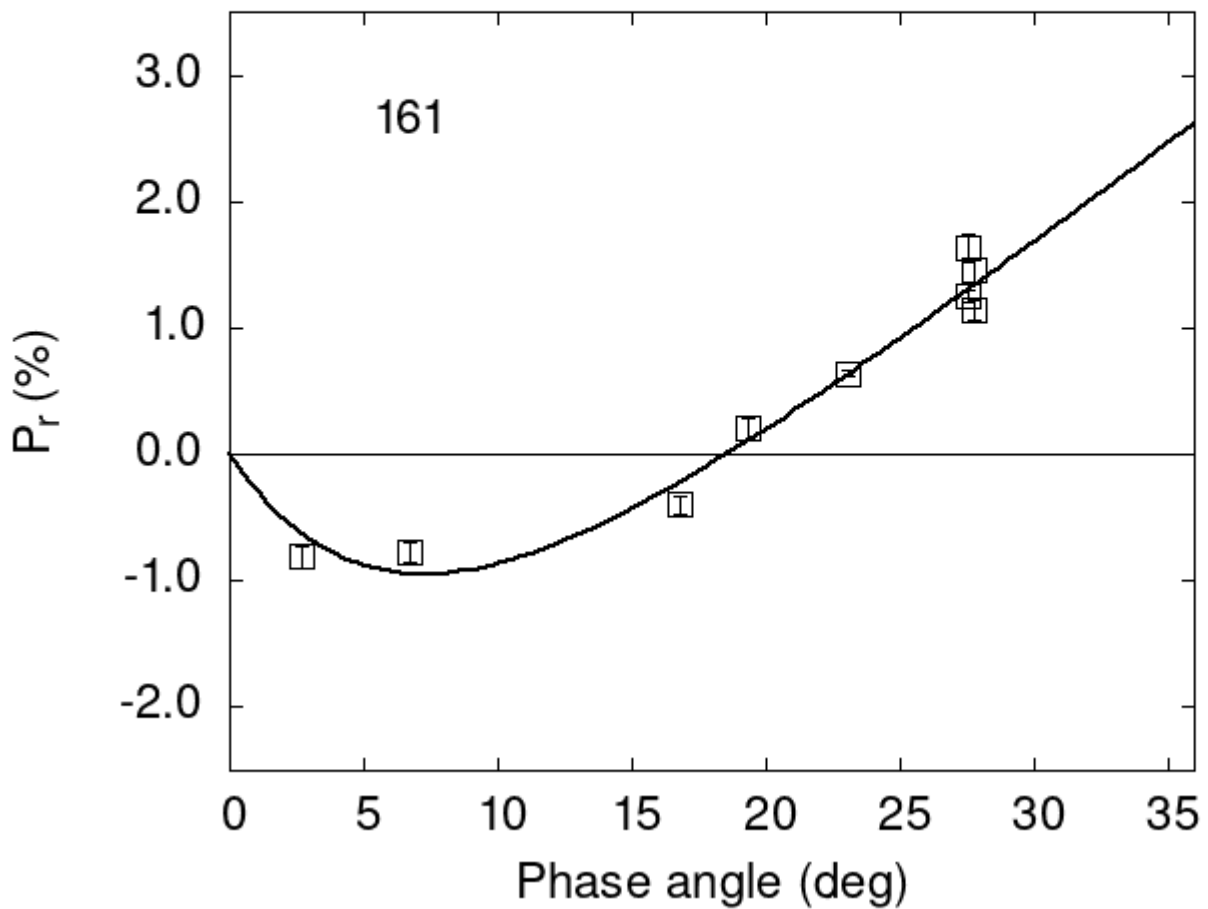


Catalogue of Asteroid Polarization Curves

Gil-Hutton (2023)



Polarimetric data:

The columns list the object number, the phase angle (degrees), P_r (%), its error, the filter used, and the reference code.

161	6.73	-0.78	0.08	V	f
161	19.38	0.20	0.09	V	f
161	23.10	0.64	0.02	V	a
161	27.59	1.63	0.11	V	a
161	27.59	1.25	0.05	R	a
161	27.80	1.45	0.09	V	a

```

161 27.80  1.14 0.08 R a
161  2.70 -0.81 0.09 V a
161 16.80 -0.40 0.07 V a

```

Polarization Curve Parameters:

The polarimetric parameters were obtained fitting the observations to a polarization curve using the function:

$$P_r(\alpha) = Coe_1 \times \left[\exp\left(-\frac{\alpha}{Coe_2}\right) - 1 \right] + Coe_3 \times \alpha,$$

where α is the phase angle in degrees. The minimum of the polarization curve is identified by Pmin, Phmin is the phase angle where Pmin is reached, Ph0 is the inversion angle, and k is the slope of the polarization curve at Ph0.

```

#
#      Coe1      eCoe1      Coe2      eCoe2      Coe3      eCoe3
#      3.1666    0.3660    6.6061    0.9246    0.1602    0.0128
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      7.24    0.93 -0.948    0.307 18.57    0.30 0.1314 0.0151

```